

**Schreiber, David**

70115

**From:** Ramirez, Delia  
**Sent:** Monday, July 01, 2002 5:15 PM  
**To:** Schreiber, David  
**Subject:** case 09/488265

Hi David,

I was wondering if you could do these alignments for me. The claims recite that the % identity should be calculated with GAP length weight=0, gap weight=3 for proteins and gap creation penalty=50, gap extension penalty=3 for DNA. The alignments are as follows:

Seq id 25 (DNA): against seq id 164 of 09/684,855

seq id 26 (protein): against seq id 163 of 09/684,855, seq id 9 of 09/273,871, seq id 167 of 09/343, 126

seq id 27(protein): against seq id 167 of 09/343,126, seq id 160 of 09/684,855

Thank you,

Delia

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L1: Entry 1 of 1

File: USPT

Nov 28, 2000

US-PAT-NO: 6153418

DOCUMENT-IDENTIFIER: US 6153418 A

TITLE: Consensus phytases

DATE-ISSUED: November 28, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lehmann; Martin	Inzlingen			DEX

US-CL-CURRENT: 435/195; 424/94.1, 424/94.6, 435/196

## CLAIMS:

What is claimed is:

1. A consensus protein which has the amino acid sequence selected from the group consisting of SEQ ID NO:1 and amino acid sequences containing amino acid additions, deletions, and replacements to SEQ ID NO:1, which sequences have up to two amino acids which are different from the sequence of SEQ ID NO:1.
2. A polypeptide having the amino acid sequence of SEQ ID NO:1.
3. A consensus protein which has the amino acid sequence selected from the group consisting of SEQ ID NO:2 and amino acid sequences containing amino acid additions, deletions, and replacements to SEQ ID NO:2, which sequences have up to two amino acids which are different from the sequence of SEQ ID NO:2.
4. A mutein which has the amino acid sequence of SEQ ID NO:2 with the proviso that Q at position 50 is replaced by L, T or G.
5. A mutein which has the amino acid sequence of SEQ ID NO:2 with the proviso that Q at position 50 is replaced by T and, Y at position 51 is replaced by N.
6. A mutein which has the amino acid sequence of SEQ ID NO:2 with the proviso that Q at position 50 is replaced by L and, Y at position 51 is replaced by N.
7. A polypeptide having the amino acid sequence of SEQ ID NO:2.
8. A food composition comprising a food in combination with an amino acid sequence selected from the group consisting of SEQ ID NO:1 and amino acid sequences containing amino acid additions, deletions, and replacements to SEQ ID NO:1, which sequences have up to two amino acids which are different from the sequence of SEQ ID NO:1.
9. A food composition according to claim 8 comprising a polypeptide having the amino acid sequence of SEQ ID NO:1.
10. A food composition comprising a food in combination with an amino acid sequence selected from the group consisting of SEQ ID NO:2 and amino acid sequences containing amino acid additions, deletions, and replacements to SEQ ID NO:2, which sequences have

up to two amino acids which are different from the sequence of SEQ ID NO:2.

11. A food composition according to claim 10 comprising a polypeptide having the amino acid sequence of SEQ ID NO:2.